

## AMENDMENTS TO THE CLAIMS

Please amend the claims as shown in the following list of claims.

1. (Currently amended) A method for collecting sleep quality data, comprising:  
~~detecting~~ collecting in an implantable device physiological information regarding at least one physiological condition related to sleep quality of a patient; and  
collecting in the implantable device non-physiological information regarding at least one non-physiological condition associated with that affects the sleep quality of  
[[a]] the patient, the at least one non-physiological condition comprising an ambient condition external to the patient other than time that affects the sleep quality of the patient; and  
~~collecting and storing sleep quality data based on the detected conditions;~~  
storing the physiological information and the non-physiological information in the implantable device; and  
evaluating the patient's sleep quality using both the physiological and non-physiological information.  
~~wherein collecting and storing the sleep quality data is performed at least in part by an implantable device.~~
2. (Currently amended) The method of claim 1, wherein ~~detecting~~ the at least one physiological condition[[s]] comprises ~~detecting~~ a cardiovascular system condition.
3. (Currently amended) The method of claim 1, wherein ~~detecting~~ the at least one physiological condition[[s]] comprises ~~detecting~~ a respiratory system condition.
4. (Currently amended) The method of claim 1, wherein ~~detecting~~ the at least one physiological condition[[s]] comprises ~~detecting~~ a muscle system condition.
5. (Currently amended) The method of claim 1, wherein ~~detecting~~ the at least one physiological condition[[s]] comprises ~~detecting~~ a blood chemistry condition.

6. (Currently amended) The method of claim 1, wherein ~~detecting~~ the at least one physiological condition[[s]] comprises ~~detecting~~ a nervous system condition.
7. (Currently amended) The method of claim 1, wherein ~~detecting~~ the at least one non-physiological condition[[s]] comprises ~~detecting~~ an environmental condition.
8. (Currently amended) The method of claim 1, wherein ~~detecting~~ the at least one non-physiological condition[[s]] comprises ~~detecting~~ a contextual condition.
9. (Currently amended) The method of claim 1, wherein collecting the physiological information ~~sleep-quality data~~ comprises collecting data associated with sleep stages.
10. (Currently amended) The method of claim 1, wherein collecting the physiological information ~~sleep-quality data~~ comprises collecting data associated with sleep disruption.
11. (Currently amended) The method of claim 1, wherein collecting the physiological information ~~sleep-quality data~~ comprises collecting data associated with disordered breathing.
12. (Currently amended) The method of claim 1, wherein collecting the physiological information ~~sleep-quality data~~ comprises collecting data associated with a movement disorder.
13. (Canceled)
14. (Currently amended) The method of claim 1, ~~further comprising~~ wherein collecting the non-physiological information comprises sensing the at least one non-physiological condition external to the patient and transmitting the collected sleep-quality data sensed non-physiological condition to the implantable device.

15-34. (Canceled)

35. (Currently amended) A method for assessing sleep quality of a patient, comprising:  
~~detecting~~ collecting in an implantable device physiological information regarding at least one physiological condition related to sleep quality of a patient; and  
collecting in the implantable device non-physiological information regarding at least one non-physiological condition associated with that affects the sleep quality of the patient, the at least one non-physiological condition comprising an ambient condition external to the patient other than time that affects the sleep quality of the patient; and  
~~collecting sleep quality data based on the detected conditions; and~~  
evaluating the sleep quality of the patient using the collected physiological and non-physiological information data, wherein ~~at least one of collecting the sleep quality data and the~~ evaluating the sleep quality is performed at least in part by ~~[[an]]~~ the implantable device.

36. (Currently amended) The method of claim 35, wherein ~~both the~~ collecting [[the]] non-physiological information sleep quality data and evaluating the sleep quality are is performed ~~at least~~ in part implantably and in part externally to the patient.

37. (Original) The method of claim 35, wherein evaluating the sleep quality comprises determining one or more sleep stages.

38. (Currently amended) The method of claim 35, wherein ~~evaluating the sleep quality the~~ collecting physiological information comprises detecting events associated with sleep disruption.

39. (Original) The method of claim 38, wherein detecting the events associated with sleep disruption comprises detecting disordered breathing.

40. (Original) The method of claim 38, wherein detecting the events associated with sleep disruption comprises detecting movement disorders.

41. (Original) The method of claim 35, wherein evaluating the sleep quality comprises determining one or more metrics associated with sleep quality.

42. (Original) The method of claim 35, wherein evaluating the sleep quality comprises trending one or more metrics associated with sleep quality over time.

43. (Original) The method of claim 35, wherein evaluating the sleep quality comprises determining one or more metrics associated with disordered breathing.

44. (Original) The method of claim 35, wherein evaluating the sleep quality comprises determining one or more metric associated with movement disorders.

45. (Original) The method of claim 35, wherein evaluating the sleep quality comprises determining one or more composite metrics based on metrics associated with sleep and metrics associated with events that disrupt sleep.

46. (Currently amended) The method of claim 35, ~~further comprising~~ wherein the collecting non-physiological information comprises sensing the at least one non-physiological condition external to the patient and transmitting at least one of the sensed non-physiological condition ~~sleep quality data and the sleep quality evaluation to a separate~~ the implantable device.

47-96. (Canceled)